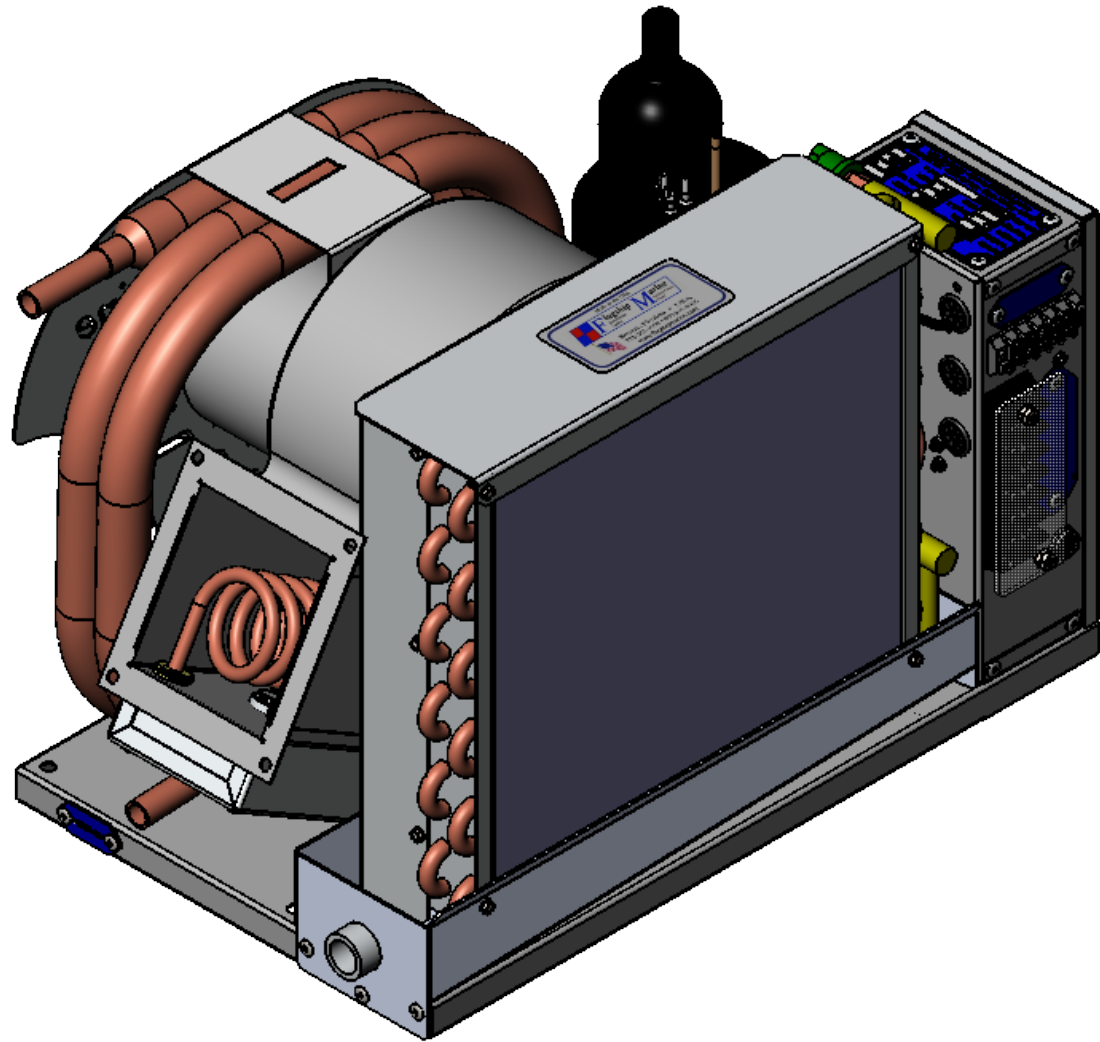


PART NUMBER	DESCRIPTION
20022-001	ASSEMBLY, AIR CONDITIONER FM12R, 120V SIDE
20022-011	ASSEMBLY, AIR CONDITIONER FM12R, 120V SIDE, WITH OPTIONAL HEAT
20022-101	ASSEMBLY, AIR CONDITIONER FM12R, 230V SIDE
20022-111	ASSEMBLY, AIR CONDITIONER FM12R, 230V SIDE, WITH OPTIONAL HEAT

FLAGSHIP MARINE, INC.				
REV.	ZONE	DESCRIPTION	DATE	ENG APPROVAL
J		NEW CONDENSER ASSEMBLY, ADDED LOCATIONAL TAB FOR SHROUD, ADDED TAGS	7/11/2018	
K		ADDED WATER OUT ADAPTORS FOR -XX2 CONFIGURATIONS	7/25/2018	
L		REMOVED 60657-001	11/16/2018	



**20022-011 SHOWN
SEE SHEET 3 OF 5 FOR DIMENSIONS**

41	1	1	1	1	80901-001	WELDMENT, DRY DRAIN PAN, EVAPORATOR, AIR CONDITIONER, FM12, FM16 & FM18R, SIDE
40	1	1	1	1	80024-001	WELDMENT, BASE, AIR CONDITIONER, FM12R
39	1	1	1	1	70999-001	TAG, WATER IN, ANODIZED, ETCHED
38	1	1	1	1	70998-001	TAG, WATER OUT, ANODIZED, ETCHED
37	1	1	1	1	70903-001	FABRICATION, SHROUD, EVAPORATOR, AIR CONDITIONER, FM12R, SIDE
36	1	1	1	1	70105-001	FABRICATION, BRACKET, CONDENSER, AIR CONDITIONER, FM12R, SIDE
35	1	1	1	1	70099-002	FABRICATION, SUPPORT, BASE, AIR CONDITIONER, FM12R
34	1	1	1	1	70098-001	FABRICATION, BRACKET, BLOWER, AIR CONDITIONER, FM12R, FM16R & FM18R
33	1	1	1	1	70091-001	DETAIL, PLATE, DECORATIVE CONDENSER COVER, FM12R /FM16R / FM18R
32	-	1	1	-	70086-001	FABRICATION, LID, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
31	-	1	1	-	70085-001	FABRICATION, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
30	A/R	A/R	A/R	A/R	61000-001	INSULATION, 1/8" FOAM PEEL AND STICK
29	1	1	-	-	60787-001	COMPRESSOR, FM12R, GK102CAB, 10,150 BTU, 115v, R410a, 55/370 RUN CAP, OVERLOAD MRA12061-12026
28	-	-	1	1	60772-001	COMPRESSOR, FM12R, GK102KAA, 10,150 BTU, 230v, R410a, 30/370 RUN CAP, OVERLOAD MRA98996-12026
27	4	4	4	4	60656-001	BOLT, M6 X 1.0 X 12, HEX HEAD, SS
26	3	3	3	3	60539-001	NUT, 3/8-16 NYLON LOCK NUT 18-8 SS
25	3	3	3	3	60534-001	WASHER, 3/8 X 1 1/4 FENDER WASHER, 18-8 SS
24	25	25	25	25	60533-001	RIVET, 3/16" DIA. .062-.125" GRIP RANGE, SSB6-2S
23	16	20	20	16	60527-001	SELF TAP, #8 X 1/2 HWH SELF DRILL 18-8 SS
22	-	4	4	-	60517-001	SCREW, #8-32 X 3/8" PAN HEAD MACHINE SCREW, #2 DRIVE PHILLIPS, 18-8 SS
21	1	1	1	1	60504-001	LABEL, CAUTION, HIGH VOLTAGE, 2.5" X 1.5"
20	1	1	1	1	60500-001	LABEL, FMI MANUFACTURED BY
19	A/R	A/R	A/R	A/R	60329-002	REFRIGERANT, R410a
18	1	1	1	1	60211-001	EVAPORATOR, 16K BTU, ALUMINUM/COPPER, 2-ROW
17	1	1	1	1	60148-001	SWITCH, HIGH PRESSURE, SPST, OPEN ON PRESSURE RISE, OPEN (600 PSI) CLOSE (475 PSI)
14	-	1	1	-	60131-001	GROMMET, 11/16" PUSH-IN LOCKING, NYLON
15	1	1	1	1	60079-001	DRIER, FILTER, 5/16" SOLDER, 1 TON, SUD116
14	15	15	15	15	60070-001	WASHER, .385 ID X 1.406 OD X .25 THK, 60 DURO EPDM BLACK
13	-	1	1	-	60062-001	SWITCH, THERMAL LIMIT, 130 DEG. F, NC
12	-	-	1	-	60031-002	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 240VAC, DBL END THRD BULKHEAD
11	-	1	-	-	60031-001	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 120VAC, DBL END THRD BULKHEAD
10	1	1	-	-	60021-001	BLOWER, PSC, SHADED POLE, 1TDR7, 115V
9	-	-	1	1	60009-001	BLOWER, PSC, SHADED POLE, 1TDR8, 230V
8	3	3	3	3	40102-001	VALVE, 1/4" STANDARD SERVICE, CAP W/RUBBER O-RING
7	1	1	1	1	40096-001	VALVE, EXPANSION, BALANCED PORT, 2-5 1/2-TON, R22, SBQBODY3X4
6	1	1	1	1	40086-001	VALVE, EXPANSION, HEAD, UP TO 5 TON, R410A, KT45ZGA
5	1	1	1	1	40078-001	ORIFICE CARTIDGE, BALANCE PORT, BLUE, 3/4 - 1 1/2 TON (R22)
4	A/R	A/R	A/R	A/R	30230-001	LOOM, SPLIT-TYPE, BLUE TRACER, 1/2", 1100', M125-0120-A
3	1	1	1	1	20515-001	THERMOSTAT, BLUE MOUNTING PLATE, (4) WIRE, 20'
2	1	1	1	1	20157-001	CONDENSER, LIQUID COOLED, FM12R, FM16R, FM18R
1	1	1	1	1	20145-001	ASSEMBLY, CONTROL ENCLOSURE, SELF-CONTAINED 9K-36K, INSTALLED ON-BOARD, 115v/230v

ITEM NO.	001 QTY	011 QTY	111 QTY	101 QTY	PART NUMBER	DESCRIPTION
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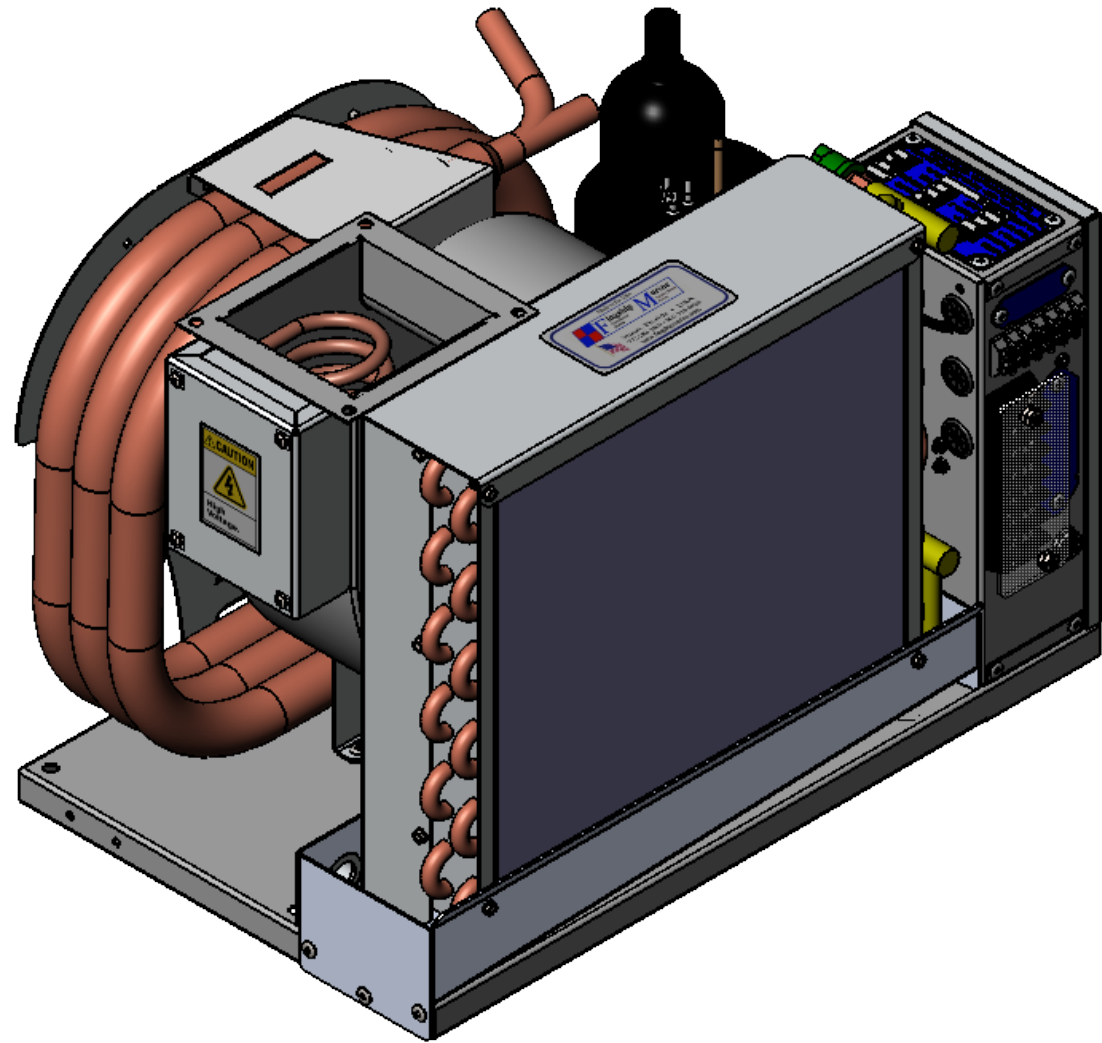
Flagship Marine
FLAGSHIP MARINE, INC.
 2427 SE DIXIE HIGHWAY
 STUART | FLORIDA | 34996 | USA
 (772) 283-1609 | (800) 316-6426
 FAX (772) 283-4611

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:
DIMENSIONS ARE IN INCHES		SWC	8/2/2010	ASSEMBLY, AIR CONDITIONER FM12R, 120V SIDE, WITH OPTIONAL HEAT
TOLERANCES:		TCM	-	PART NO. 20022-011
FRACTIONS ± 1/32		TCM	-	SIZE B DWG. NO. FM20022 REV L
ANG: MACH ± 0°30' BEND ± 2°		TCM	-	OLD PART NO. -
DECIMALS .XX ± .01		TCM	-	SCALE: 1:4 WGT: SHEET 1 OF 5
.XXX ± .005		EAS	-	
HOLE Ø .XX ± .005				
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION	DO NOT SCALE DRAWING			

- NOTES:
1. DIMENSIONING & TOLERANCING PER ASME Y14.5M.
 2. PREFERRED LIMITS AND FITS PER ANSI B4.1 (INCHES).
 3. NO SHARP EDGES PERMITTED.

PART NUMBER	DESCRIPTION
20022-002	ASSEMBLY, AIR CONDITIONER FM12R, 120V TOP
20022-012	ASSEMBLY, AIR CONDITIONER FM12R, 120V TOP, WITH OPTIONAL HEAT
20022-102	ASSEMBLY, AIR CONDITIONER FM12R, 230V TOP
20022-112	ASSEMBLY, AIR CONDITIONER FM12R, 230V TOP, WITH OPTIONAL HEAT



20022-012 SHOWN
SEE SHEET 4 OF 5 FOR DIMENSIONS

42	1	1	1	1	80901-002	WELDMENT, DRY DRAIN PAN, EVAPORATOR, AIR CONDITIONER, FM12, FM16 & FM18R, TOP
41	1	1	1	1	80024-001	WELDMENT, BASE, AIR CONDITIONER, FM12R
40	1	1	1	1	70999-001	TAG, WATER IN, ANODIZED, ETCHED
39	1	1	1	1	70998-001	TAG, WATER OUT, ANODIZED, ETCHED
38	1	1	1	1	70903-002	FABRICATION, SHROUD, EVAPORATOR, AIR CONDITIONER, FM12R, TOP
37	1	1	1	1	70106-001	FABRICATION, BRACKET, CONDENSER, AIR CONDITIONER, FM12R, TOP
36	1	1	1	1	70099-002	FABRICATION, SUPPORT, BASE, AIR CONDITIONER, FM12R
35	1	1	1	1	70098-001	FABRICATION, BRACKET, BLOWER, AIR CONDITIONER, FM12R, FM16R & FM18R
34	1	1	1	1	70091-001	DETAIL, PLATE, DECORATIVE CONDENSER COVER, FM12R /FM16R / FM18R
33	-	1	-	1	70086-001	FABRICATION, LID, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
32	-	1	-	1	70085-001	FABRICATION, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
31	A/R	A/R	A/R	A/R	61000-001	INSULATION, 1/8" FOAM PEEL AND STICK
30	1	1	-	-	60787-001	COMPRESSOR, FM12R, GK102CAB, 10,150 BTU, 115v, R410a, 55/370 RUN CAP, OVERLOAD MRA12061-12026
29	-	-	1	1	60772-001	COMPRESSOR, FM12R, GK102KAA, 10,150 BTU, 230v, R410a, 30/370 RUN CAP, OVERLOAD MRA98996-12026
28	4	4	4	4	60656-001	BOLT, M6 X 1.0 X 12, HEX HEAD, SS
27	3	3	3	3	60539-001	NUT, 3/8-16 NYLON LOCK NUT 18-8 SS
26	3	3	3	3	60534-001	WASHER, 3/8 X 1 1/4 FENDER WASHER, 18-8 SS
25	25	25	25	25	60533-001	RIVET, 3/16" DIA. .062-.125" GRIP RANGE, SSB6-2S
24	16	20	16	20	60527-001	SELF TAP, #8 X 1/2 HWH SELF DRILL 18-8 SS
23	-	4	-	4	60517-001	SCREW, #8-32 X 3/8" PAN HEAD MACHINE SCREW, #2 DRIVE PHILLIPS, 18-8 SS
22	1	1	1	1	60504-001	LABEL, CAUTION, HIGH VOLTAGE, 2.5" X 1.5"
21	1	1	1	1	60500-001	LABEL, FMI MANUFACTURED BY
20	A/R	A/R	A/R	A/R	60329-002	REFRIGERANT, R410a
19	1	1	1	1	60211-001	EVAPORATOR, 16K BTU, ALUMINUM/COPPER, 2-ROW
18	1	1	1	1	60148-001	SWITCH, HIGH PRESSURE, SPST, OPEN ON PRESSURE RISE, OPEN (600 PSI) CLOSE (475 PSI)
17	-	1	-	1	60131-001	GROMMET, 11/16" PUSH-IN LOCKING, NYLON
16	1	1	1	1	60079-001	DRIER, FILTER, 5/16" SOLDER, 1 TON, SUD116
15	15	15	15	15	60070-001	WASHER, .385 ID X 1.406 OD X .25 THK, 60 DURO EPDM BLACK
14	-	1	-	1	60062-001	SWITCH, THERMAL LIMIT, 130 DEG. F, NC
13	-	-	-	1	60031-002	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 240VAC, DBL END THRD BULKHEAD
12	-	1	-	-	60031-001	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 120VAC, DBL END THRD BULKHEAD
11	1	1	-	-	60021-001	BLOWER, PSC, SHADED POLE, 1TDR7, 115V
10	-	-	1	1	60009-001	BLOWER, PSC, SHADED POLE, 1TDR8, 230V
9	2	2	2	2	40304-001	ADAPTOR, WATER OUT, FM12R, TOP DISCHARGE, COPPER NICKLE
8	3	3	3	3	40102-001	VALVE, 1/4" STANDARD SERVICE, CAP W/RUBBER O-RING
7	1	1	1	1	40096-001	VALVE, EXPANSION, BALANCED PORT, 2-5 1/2-TON, R22, SBQBODY3X4
6	1	1	1	1	40086-001	VALVE, EXPANSION, HEAD, UP TO 5 TON, R410A, KT45ZGA
5	1	1	1	1	40078-001	ORIFICE CARTIDGE, BALANCE PORT, BLUE, 3/4 - 1 1/2 TON (R22)
4	A/R	A/R	A/R	A/R	30230-001	LOOM, SPLIT-TYPE, BLUE TRACER, 1/2", 1100', M125-0120-A
3	1	1	1	1	20515-001	THERMOSTAT, BLUE MOUNTING PLATE, (4) WIRE, 20'
2	1	1	1	1	20157-001	CONDENSER, LIQUID COOLED, FM12R, FM16R, FM18R
1	1	1	1	1	20145-001	ASSEMBLY, CONTROL ENCLOSURE, SELF-CONTAINED 9K-36K, INSTALLED ON-BOARD, 115v/230v

ITEM NO.	002 QTY	012 QTY	102 QTY	112 QTY	PART NUMBER	DESCRIPTION
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FLAGSHIP MARINE, INC. BILL OF MATERIALS

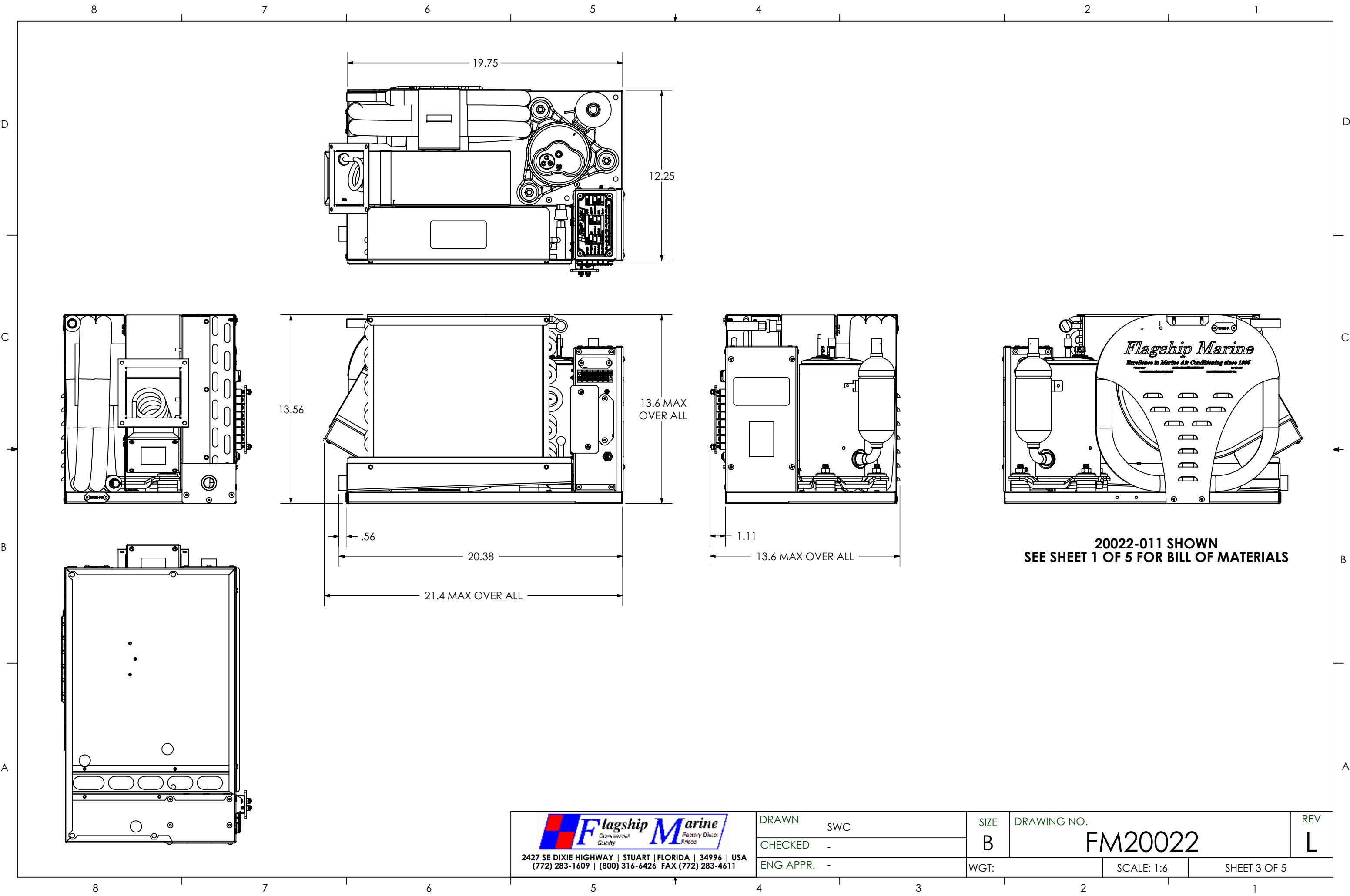
Flagship Marine
 FLAGSHIP MARINE, INC.
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UNLESS OTHERWISE SPECIFIED:				
DIMENSIONS ARE IN INCHES				
TOLERANCES:				
FRACTIONS ± 1/32				
ANG: MACH ± 0°30' BEND ± 2°				
DECIMALS .XX ± .01				
.XXX ± .005				
HOLE Ø .XX ± .005				
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M				
MATERIAL				
FINISH				
NEXT ASSY				USED ON
APPLICATION				DO NOT SCALE DRAWING

TITLE:	ASSEMBLY, AIR CONDITIONER FM12R, TOP		
PART NO.	20022-XX2		
SIZE	DWG. NO.	REV	
B	FM20022	L	
OLD PART NO.	-		
SCALE: 1:4	WGT:	SHEET 2 OF 5	

- NOTES:
1. DIMENSIONING & TOLERANCING PER ASME Y14.5M.
 2. PREFERRED LIMITS AND FITS PER ANSI B4.1 (INCHES).
 3. NO SHARP EDGES PERMITTED.

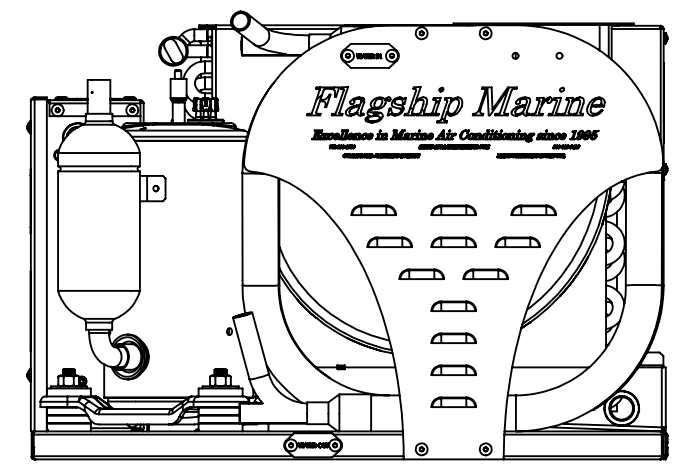
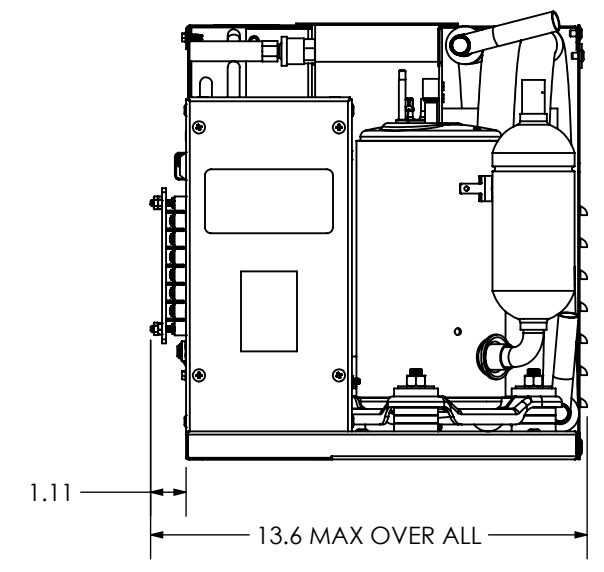
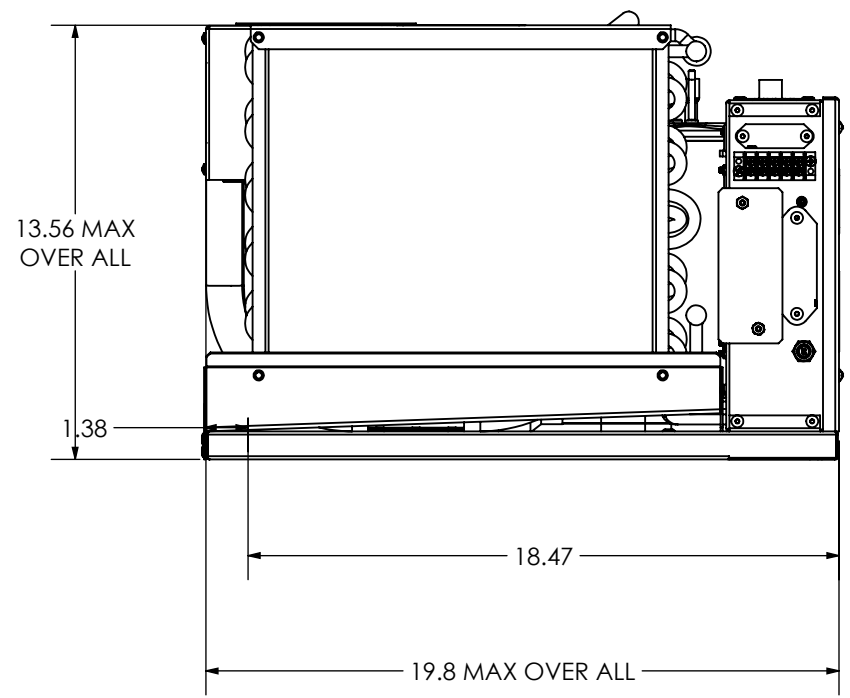
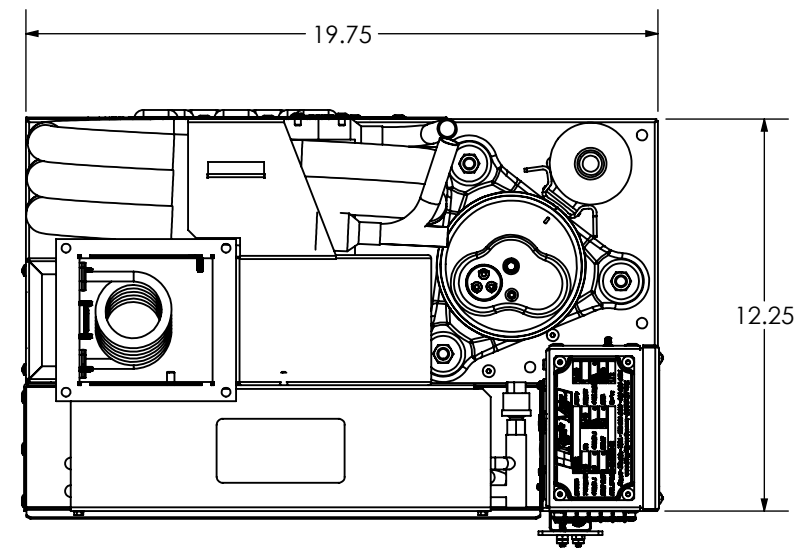


20022-011 SHOWN
SEE SHEET 1 OF 5 FOR BILL OF MATERIALS

 <p>2427 SE DIXIE HIGHWAY STUART FLORIDA 34996 USA (772) 283-1609 (800) 316-6426 FAX (772) 283-4611</p>	DRAWN SWC	SIZE B	DRAWING NO. FM20022	REV L
	CHECKED -	WGT:	SCALE: 1:6	SHEET 3 OF 5
	ENG APPR. -			


8 7 6 5 4 2 1

D
C
B
A



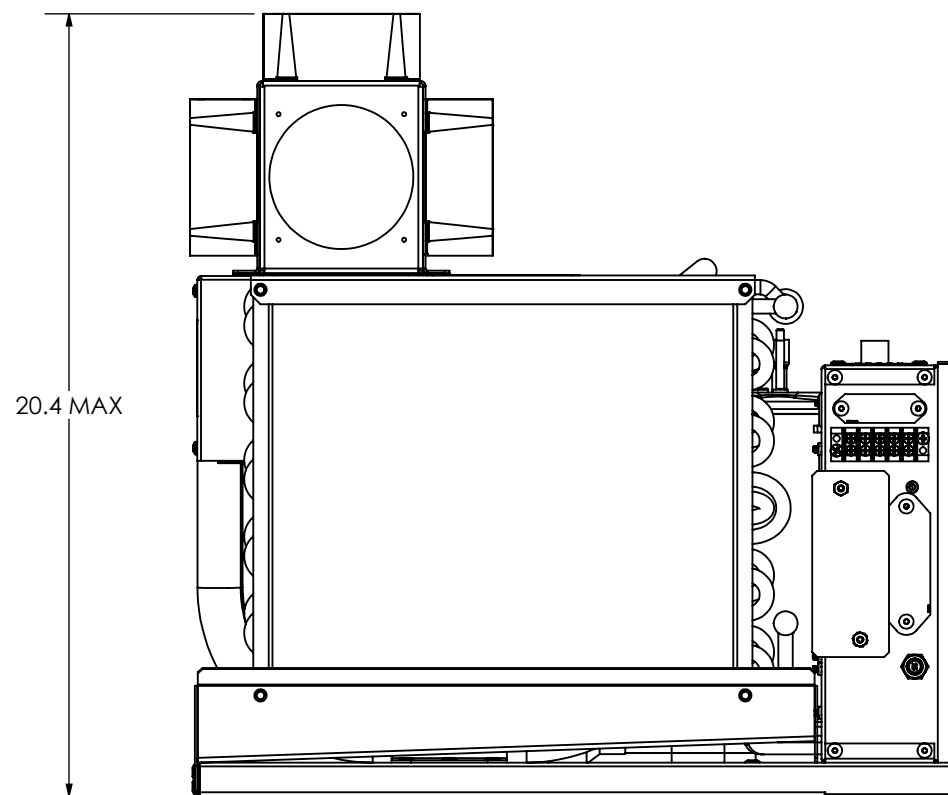
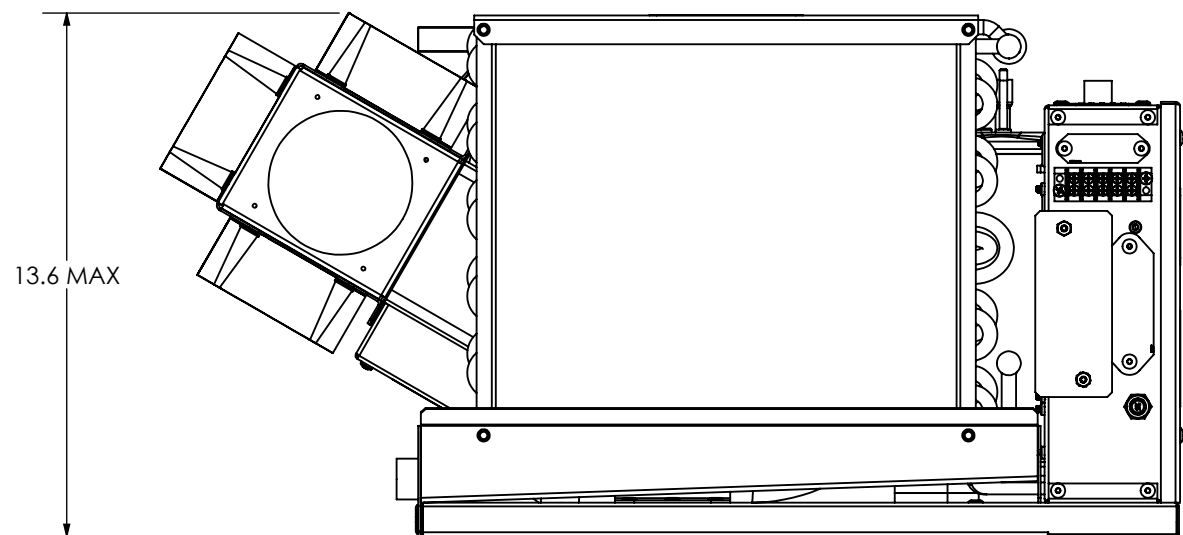
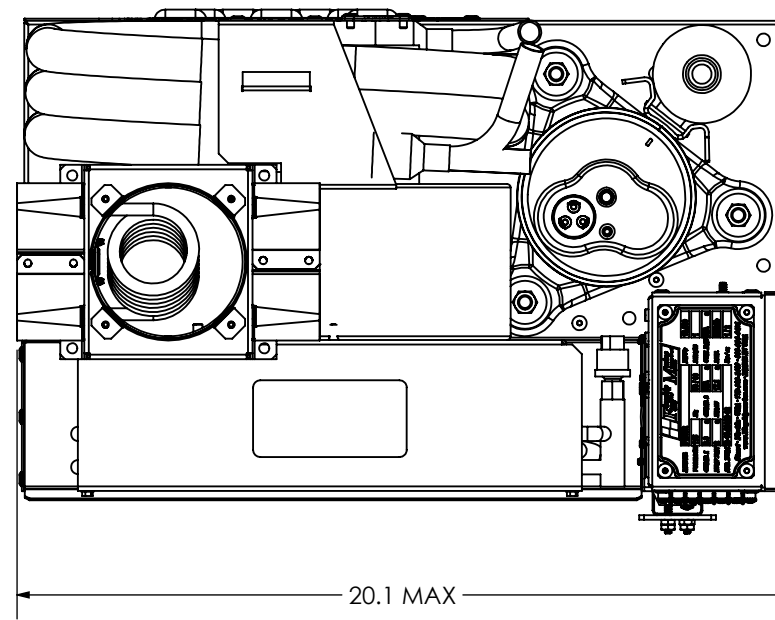
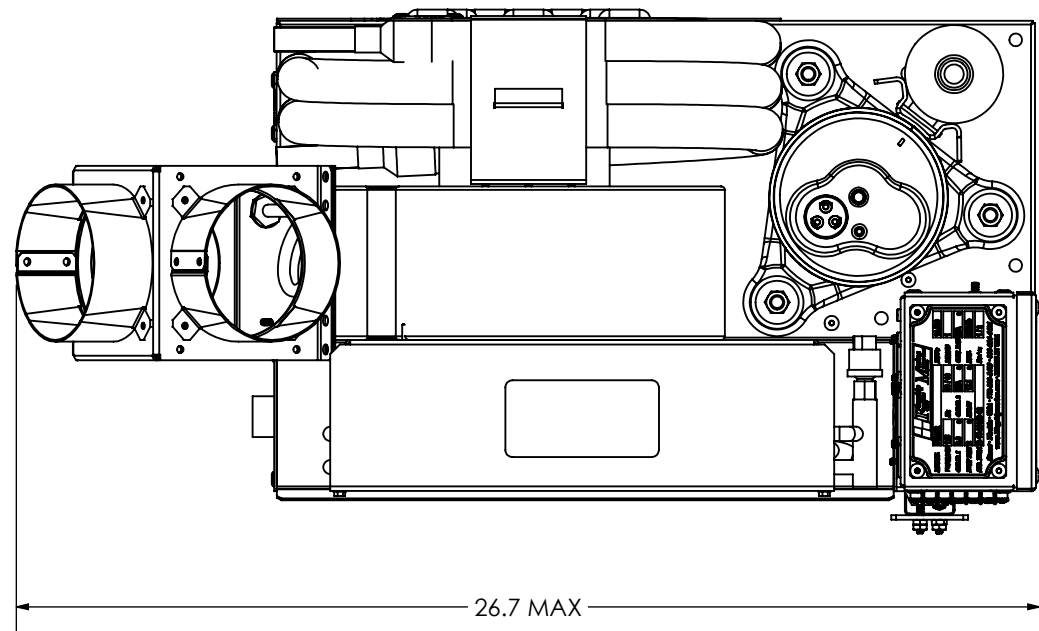
20022-111 SHOWN
SEE SHEET 1 OF 5 FOR BILL OF MATERIALS

8 7 6 5 4 3 2 1

 2427 SE DIXIE HIGHWAY STUART FLORIDA 34996 USA (772) 283-1609 (800) 316-6426 FAX (772) 283-4611	DRAWN	SWC	SIZE	DRAWING NO.	REV
	CHECKED	-	B	FM20022	L
	ENG APPR.	-	WGT: 78.21 LBS	SCALE: 1:6	SHEET 4 OF 5

8 7 6 5 4 2 1

D
C
B
A



20022-011
SHOWN WITH OPTIONAL PLENUM & DISCHARGE RINGS
FOR DIMENTIONAL REFERENCE ONLY

20022-012
SHOWN WITH OPTIONAL PLENUM & DISCHARGE RINGS
FOR DIMENTIONAL REFERENCE ONLY

8 7 6 5 4 3 2 1

Flagship Marine
 COMMERCIAL QUALITY PLENUM DESIGN PARTS
 2427 SE DIXIE HIGHWAY | STUART | FLORIDA | 34996 | USA
 (772) 283-1609 | (800) 316-6426 FAX (772) 283-4611

DRAWN	SWC	SIZE	DRAWING NO.	REV
CHECKED	-	B	FM20022	L
ENG APPR.	-	WGT:	SCALE: 1:6	SHEET 5 OF 5